# Wireless Presentation Adaptor

# User's Manual

(Model Name: WPS-Speedy)

Version: 3.0

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# 1.Overview

WPS is a must-have device for your meeting room! It turns your existing "wired" projector into a "high-end wireless" projector. With the revolutionary Plug-and-Show wireless projection features, WPS makes every of your presentation and meeting efficient and successful.

- High Performance Wireless Projection & Audio Projection

With the revolutionary high performance wireless projection with audio, you can easily share the multimedia on the big monitor with friends without cable hassle.

- Plug & Show

With the accompanied Plug & Show USB Token, wireless presentation becomes easy! Just link your PC/Laptop to WPS (through WLAN or Ethernet), plug the token into a USB port, and in seconds, your screen will be wireless projected to the connected projector!

- 4-to-1 Split Screen Projection

With this 4-to-1 split screen feature, up to four PCs can be projected out to one projector screen at the same time. Thus you can easily do side-by-side comparison from four PCs / PDAs to increase meeting productivity!

- Macintosh(Mac) wireless Projection

WPS supports Mac client connected and projected wirelessly. By launching the Mac client software that stored in accompanied USB token, WPS provide the same experience to Mac user to utilize the wireless presentation feature.

- Smartphone wireless projection

WPS supports MobiShow function for iOS/Android/Blackberry/Windows Mobile 5/6 system. By launching MobiShow utility, you can play photos and PtG files stored in your mobile phone for presentation.

- SNMP Manager

By enabling SNMP (Simple Network Management Protocol Version 2c) Manager, you can manage devices for each or batch. No need to login device's Web page each by each for changing device settings anymore.

- Change Standby Screen

You can use the application "Screen Image Background Maker" to change the Splash Screen. Design the image with message you would like to present, upload it through web control page, and you could have customized starting page.

- AP Client Mode

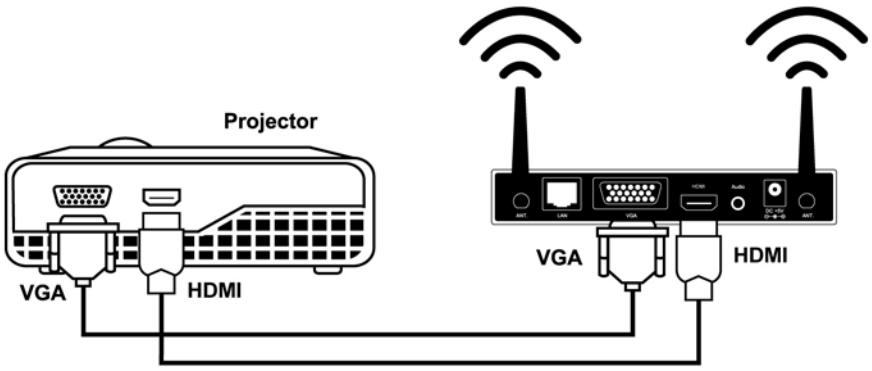
You can enable the AP-Client Mode function to let WPS join the existing Access Point through Wi-Fi. This feature provides the flexibility of wireless network deployment in enterprise environment.

## ➢ Features

- Support Windows Win7, Vista, XP
- Support Macintosh(Mac) version 10.5 and above.
- Supportive for iOS/Android/Blackberry/Windows Mobile 5/6 handheld devices
- Plug and Show! No installation required ... just plug in the accompanied token to a USB port, and hassle free presentation can be started in seconds.
- 4-to-1 split screen projection! Turn one projector into four, increase meeting productivity right away.
- Smartphone wireless projection! PC-less stylish presentation becomes possible!
- Conference control! Allows moderators to streamline grand meetings.
- Provide session security login, wireless WEP/WPA key and Gatekeeper function to protect presentation contents and keep good security to office networks.
- Support High Performance screen projection with audio.
- Changeable Splash Screen image!
- SNMP Manager! To manage the devices easily
- AP-Client Mode! Deploy wireless network in enterprise environment easily

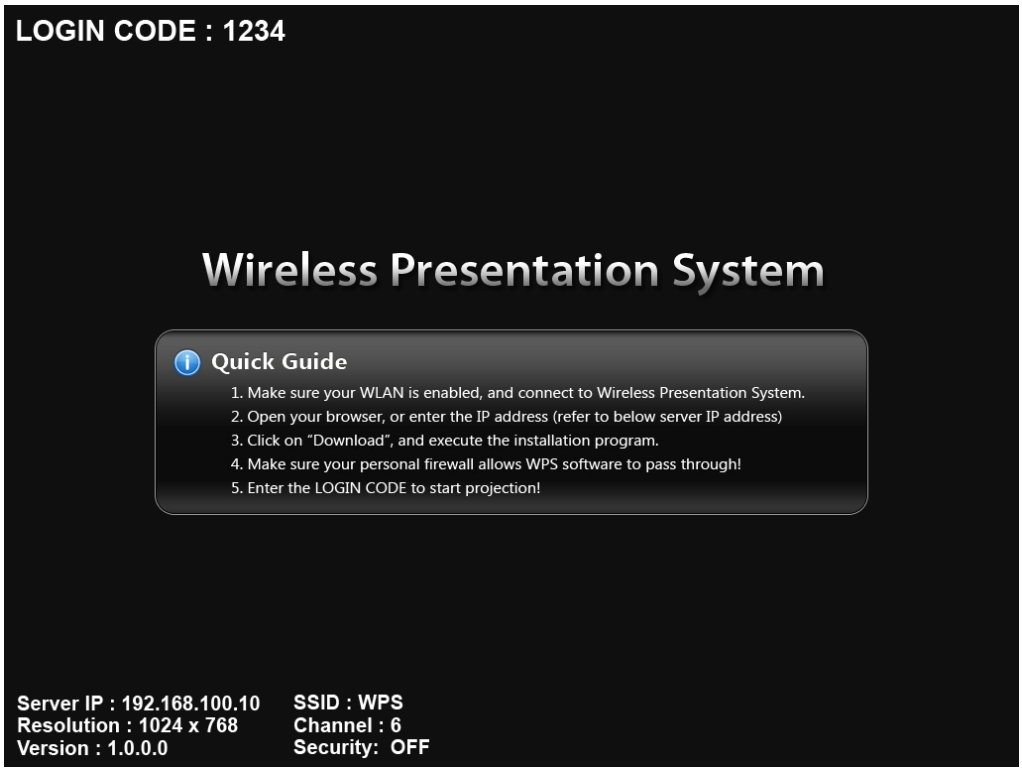
# 2.Quick Start

1) Connect projector VGA/HDMI cable to WPS box VGA/HDMI connector and turn on projector power.




2) Turn on WPS box.

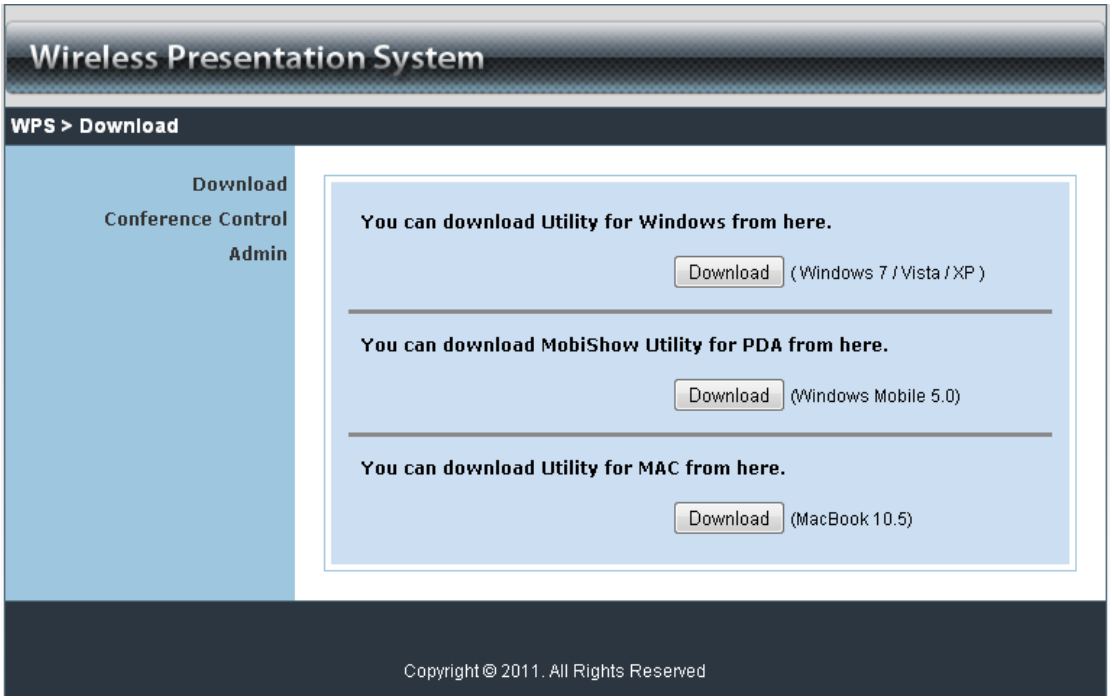
- ♦ When Projector shows the default menu on the screen as below, it indicates the WPS box is ready now.

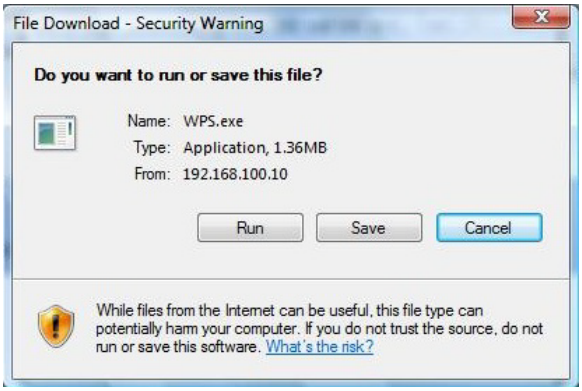

LOGIN CODE : 1234
Wireless Presentation System
Quick Guide
1. Make sure your WLAN is enabled, and connect to Wireless Presentation System.
2. Open your browser, or enter the IP address (refer to below server IP address)
3. Click on "Download", and execute the installation program.
4. Make sure your personal firewall allows WPS software to pass through!
5. Enter the LOGIN CODE to start projection!
Server IP : 192.168.100.10
Resolution : 1024 x 768
Version : 1.0.0.0
SSID : WPS
Channel : 6
Security: OFF

3) Make sure your PC WLAN is enabled already, and connect your PC with WPS box.
4) Open your browser and enter the IP address to access the WPS web home page.
   - ♦ The default IP address of WPS is **192.168.100.10** or refers to the IP address shown on the left corner of projector screen.

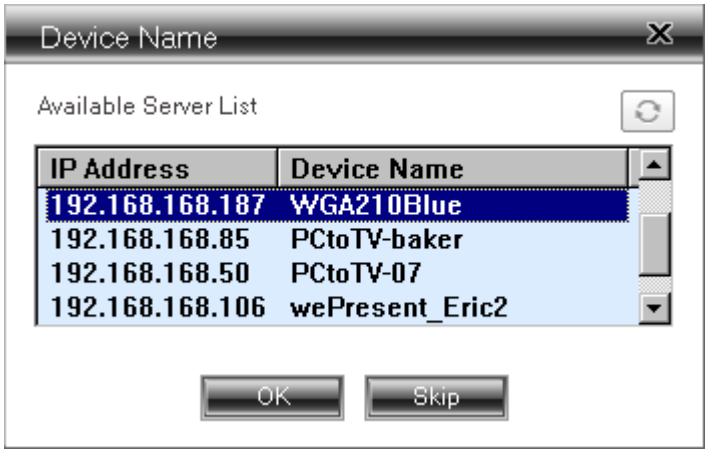
5) Download the client software. Please select the " Win7 / Windows Vista / XP " or "MacBook 10.5 and above" and execute the installation program.

After installing the program, you will see the WPS shortcut on the PC screen.

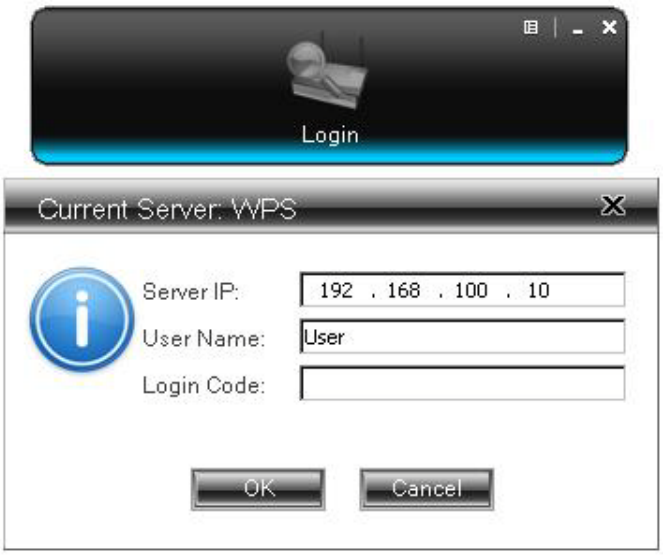




File Download - Security Warning
Do you want to run or save this file?
Name: WPS.exe
Type: Application, 1.36MB
From: 192.168.100.10
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

6) Make sure your personal firewall allows WPS software to pass through.
7) Select device that your want to projection



8) Enter the **LOGIN CODE** and You can see the login code on the projector screen




9) Click the "**Play**" button to start projection!

# 3. Windows Client Utility

## 3.1 Starting Program

After you download WPS Windows program via web page successfully, then follow below steps to start.

1) Click WPS icon to execute the program.

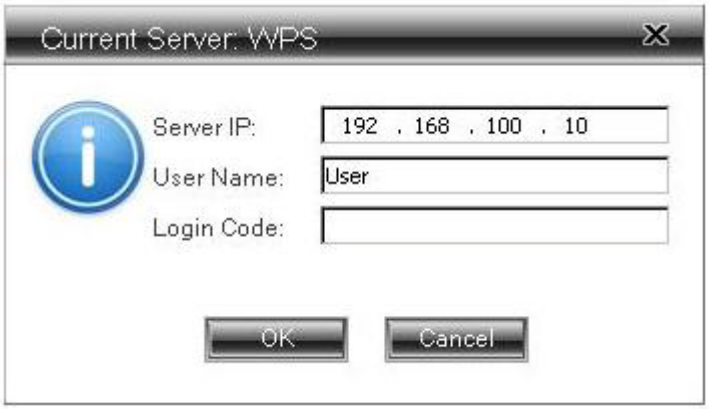
2) Program start to search for WPS box automatically,
3) If WPS box founded then "**Login Code**" dialog box will be pop up on the PC screen.

- **Searching for WPS box**

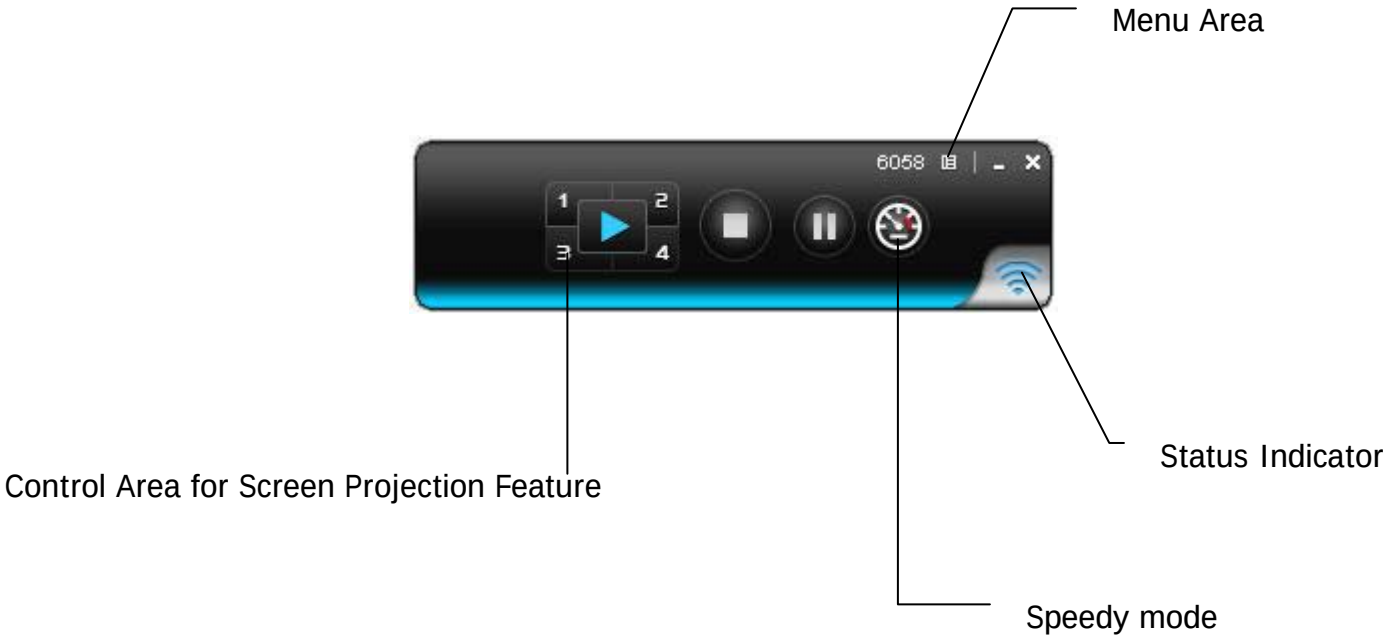
- **WPS box is founded and enter login code to start.**

## 3.2 Login

1) After “Login Code” dialog box shown, enter login code to start presentation.
2) You can see the login code shown on the projector screen.




## 3.3 Main User Interface




## 3.4 Screen Projection

Click the “Play” button for full or split screen, you can project the main screen on to the display immediately, click the “Pause” button, you can freeze you projection screen, click the “Stop” button to stop projecting your screen, by

clicking speedy mode button, the projection will enter speedy mode for faster projection.

*. 4-1 function will be disabled in speedy mode.

*. To enable audio projection, you have to install provided audio driver first.

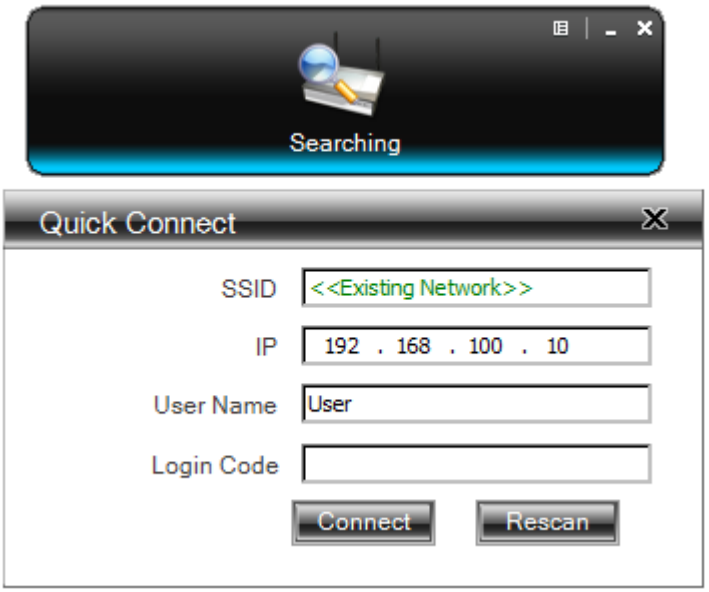
| Button | Description |
|---|---|
| | Full Screen projection |
| | Project to Split #1 |
| | Project to Split #2 |
| | Project to Split #3 |
| | Project to Split #4 |
| | Stop projecting |
| | Pause projecting |
| | Change to Speedy mode |

## 3.5 Audio Projection

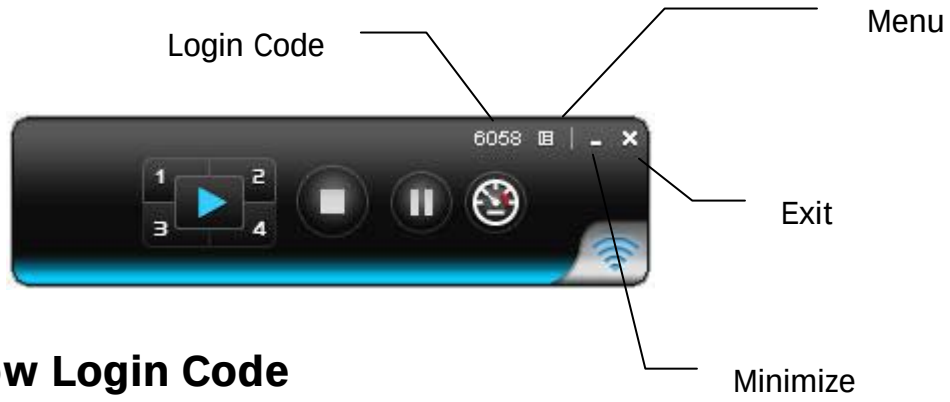
First, before starting the Audio Projection, please install the “VAC.exe” (Virtual Audio Control) on your computer which is Windows XP. Please find the software in USB Token. (Windows Vista and Win7 don’t need to install VAC)
Second, it applies only under “Normal” option of the “Projection Quality”.
Make sure these two steps, and you can hear the audio from device when projecting.

## 3.6 Quick Connect

The WPS client can save the information of last connection, including IP address and AP SSID, once you execute WPS utility next time, it displayed directly to let user can connect to WPS quickly, also, you can click “Rescan” to research all available device to connect.

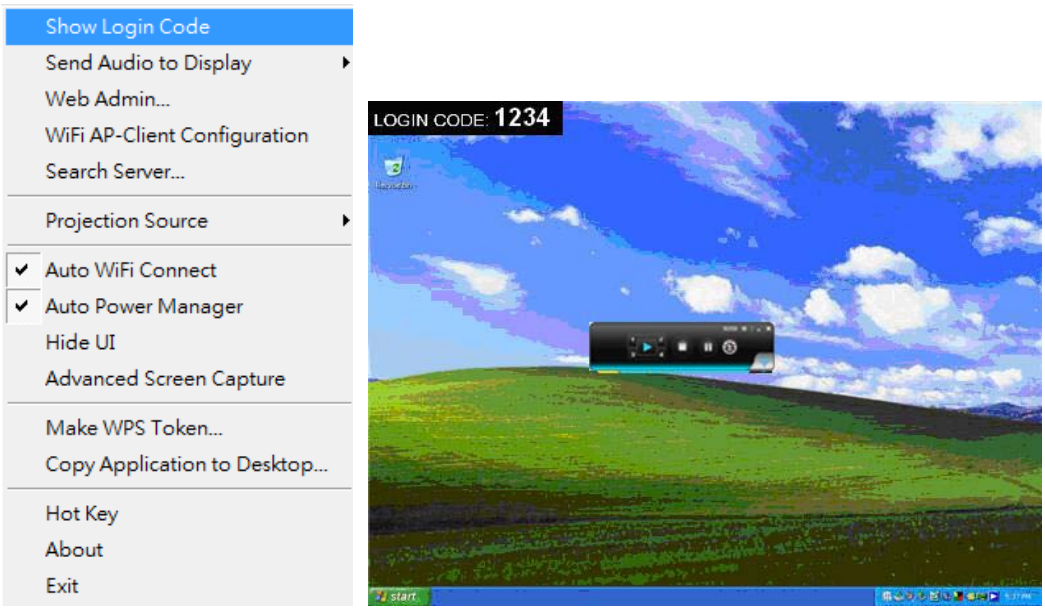



## 3.7 Menu Description



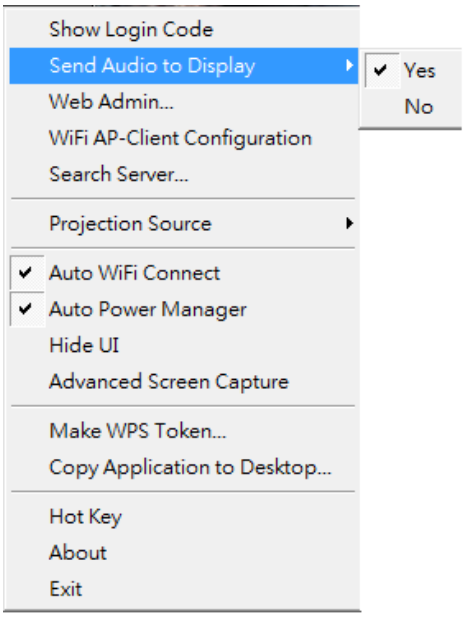

### 3.7.1 Show Login Code

Click “Show Login Code”, it will display the login code on the right-upper of desktop and close it automatically after 10 seconds. You can also click on the area to close this window manually.



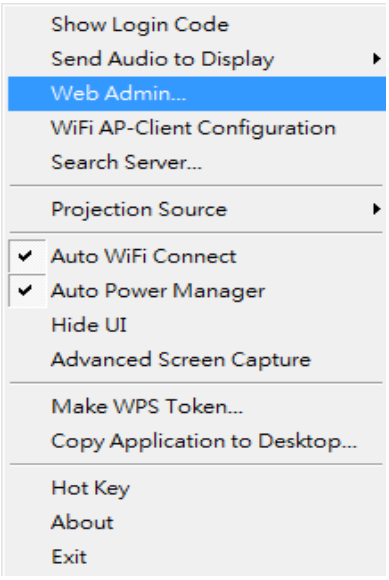

## 3.7.2 Send Audio to Display

Click “Send Audio to Display” then select the function you want to start audio projection or not.



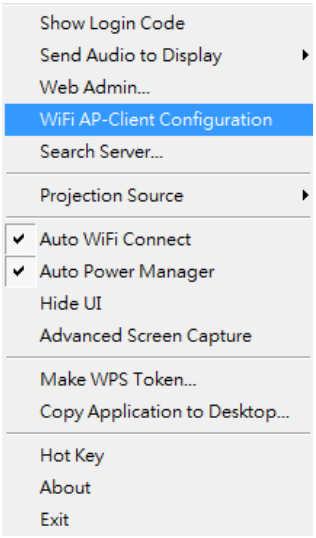
## 3.7.3 Open Admin Web Page

Click to open function menu and select "**Web Admin**" management web page. The web page detailed functions will be described on next chapter.



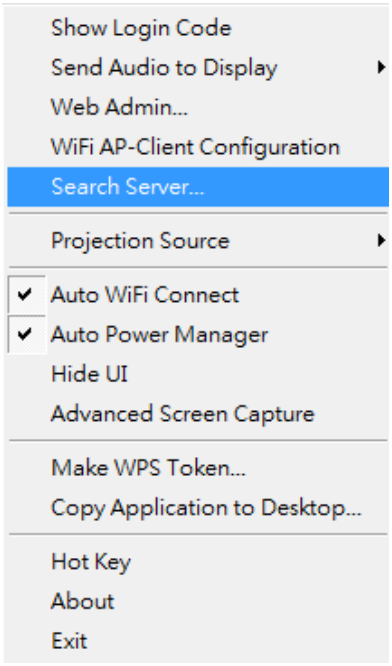
## 3.7.4 WiFi AP-Client Configuration

Click "**WiFi AP-Client Configuration**" to set AP client mode to join others Access Point via wireless, besides, the others user client also can login WPS for presentation and join to others Access Point network,



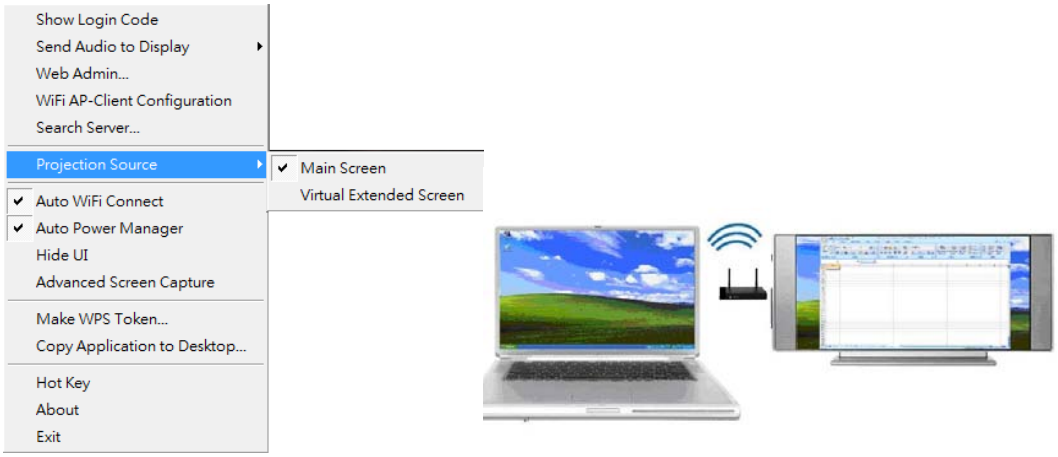
## 3.7.5 Searching Server

Click “**Search Server**” to re-search the WPS again.



## 3.7.6 Projection Source

Click the “Projection Source”, you can select to project the main screen of desktop or the virtual extended screen.

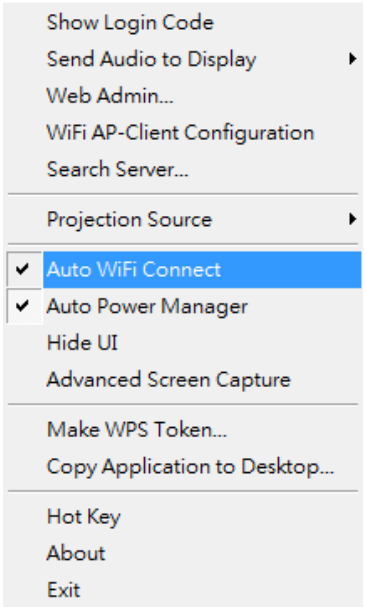



P.S: Virtual Extended Screen option

You need to install “VDD.exe” driver first which is stored in the USB token.

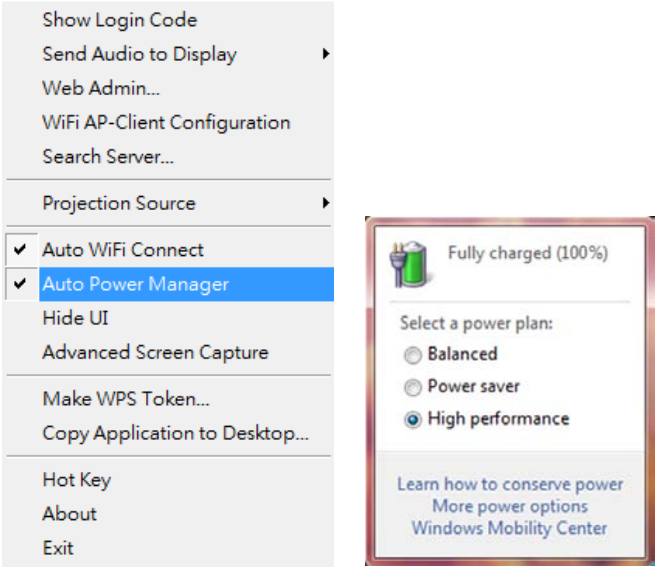
## 3.7.7 Auto WiFi Connect

Click “Auto WiFi Connect” to enable the auto WiFi discovery and connection function for quick wireless set up.



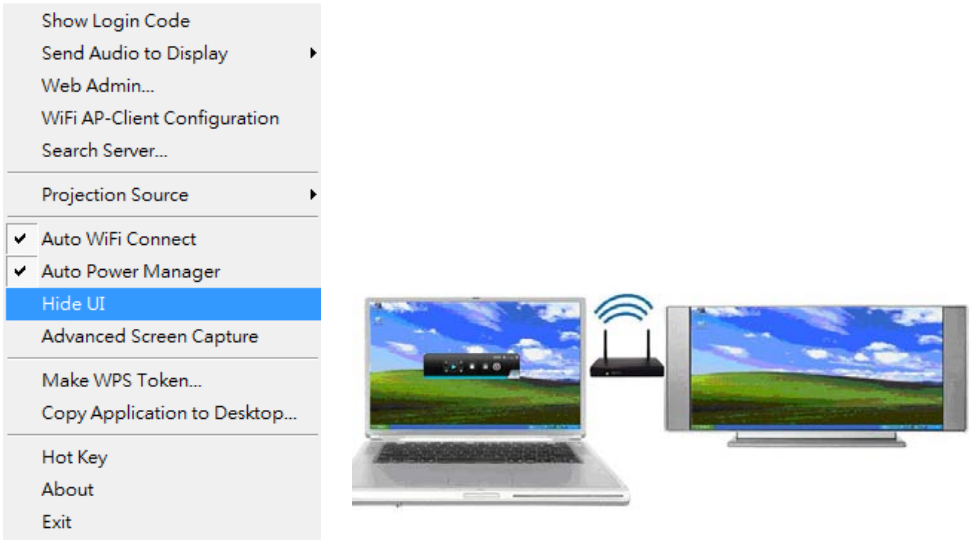

## 3.7.8 Auto Power Manager

To make the highest projection performance, application will turn the PC’s windows power scheme from current settings to “highest performance”, however, you can click the “Auto Power Manage” to enable or disable this function and restore you power scheme immediately.



## 3.7.9 Hide UI

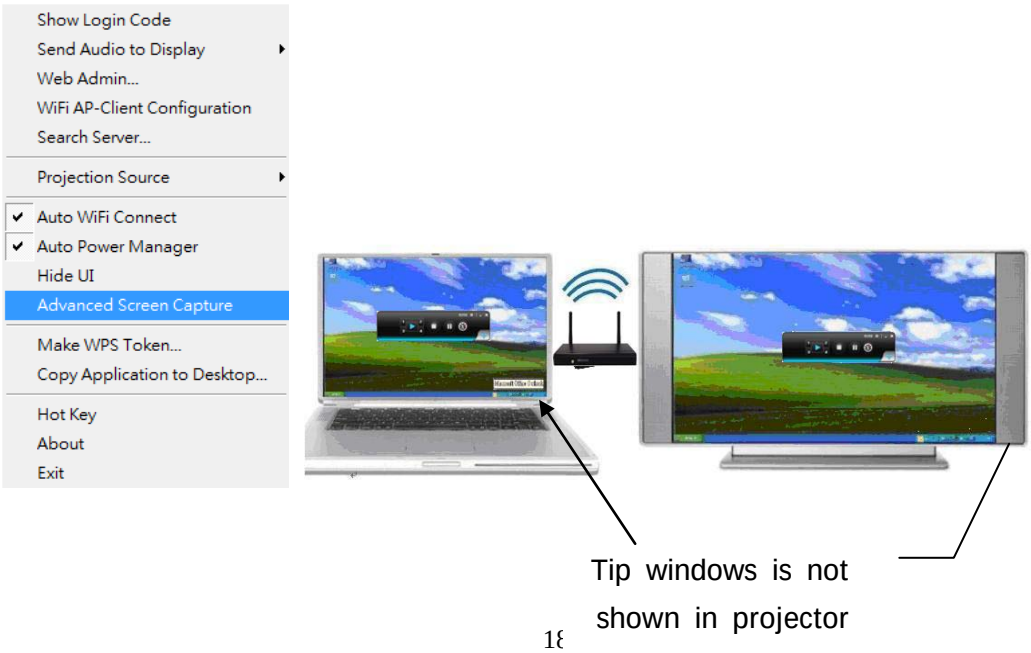
Click the “Hide UI”, you can choose to hide or display the application control panel from projection screen.



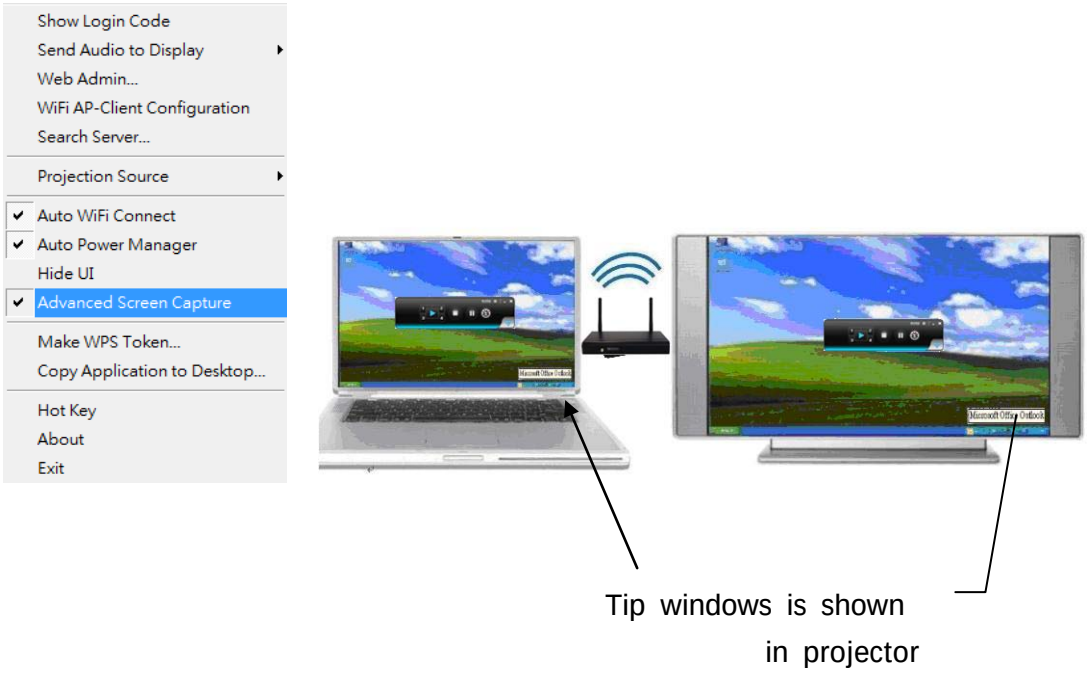

## 3.7.10 Advanced Screen Capture

Click the “Advanced Screen Capture”, you will be able to see tip windows and other layered windows (include the main UI) on the connected display. However, the mouse cursor may blink from time to time when you are projecting your PC screen!

- Disable “Advanced Screen Capture”.

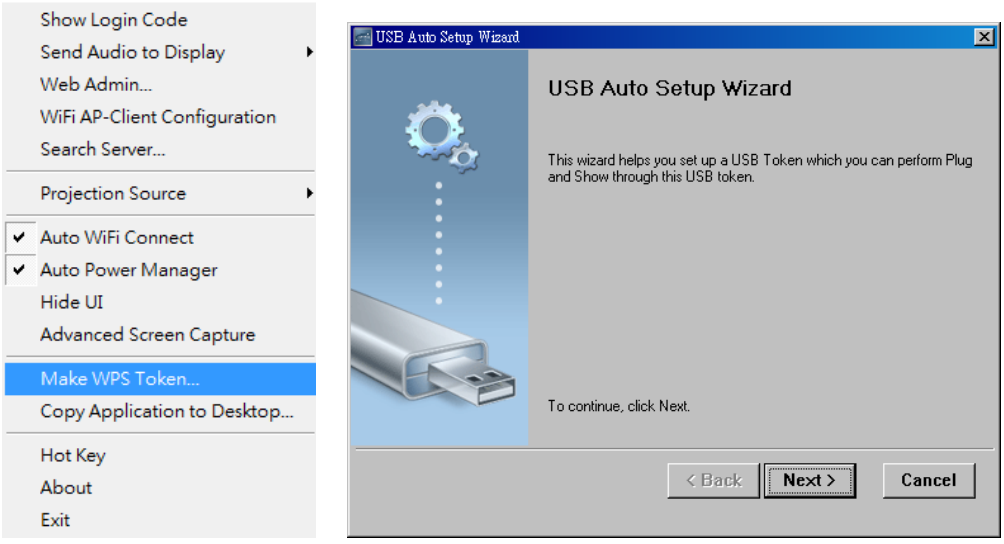


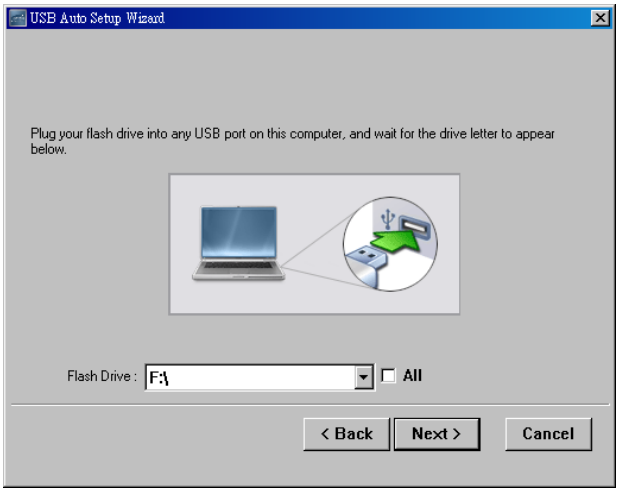
- Enable “Advanced Screen Capture”.

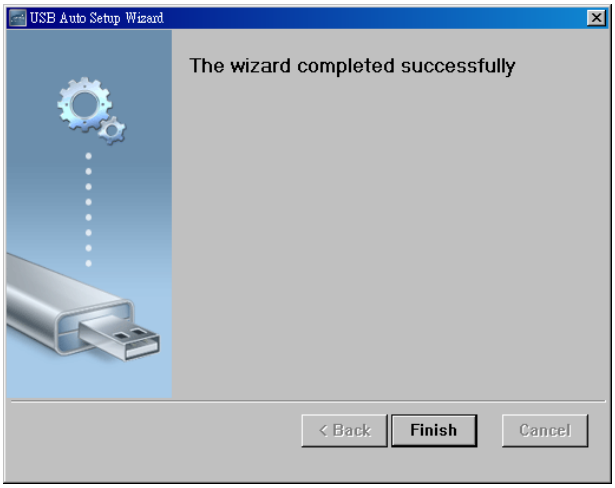



## 3.7.11 Make WPS Token

Click “Make WPS Token” to make a USB WPS Token, you can insert a USB thumb drive and follows the wizard to make the Token.

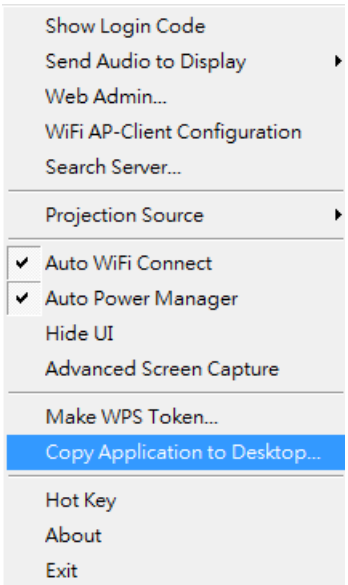



USB Auto Setup Wizard
Plug your flash drive into any USB port on this computer, and wait for the drive letter to appear below.
Flash Drive :
F:\
All
< Back
Next >
Cancel



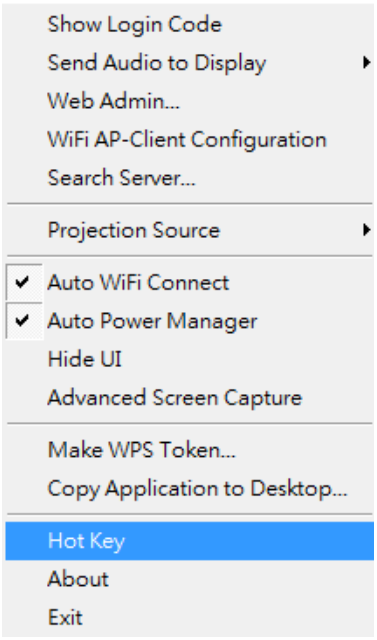

## 3.7.12 Copy Application to desktop

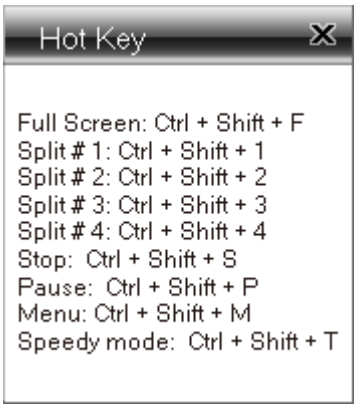
Click the “Copy Application to desktop”, it will copy the application to your desktop immediately even you don’t have the system privilege



## 3.7.13 Hot Key

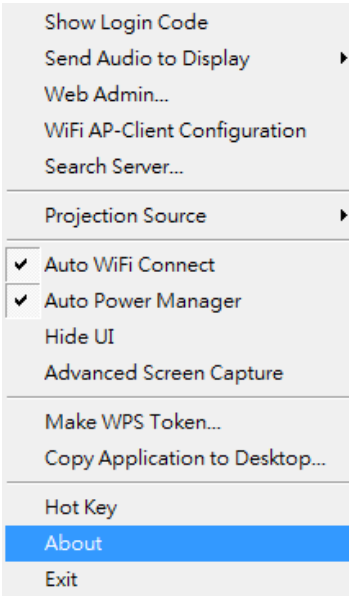
Click “**Hot Key**” to show Hot Key guide. You can use hot key to control the projection by keyboard.





Hot Key
Full Screen: Ctrl + Shift + F
Split # 1: Ctrl + Shift + 1
Split # 2: Ctrl + Shift + 2
Split # 3: Ctrl + Shift + 3
Split # 4: Ctrl + Shift + 4
Stop: Ctrl + Shift + S
Pause: Ctrl + Shift + P
Menu: Ctrl + Shift + M
Speedy mode: Ctrl + Shift + T

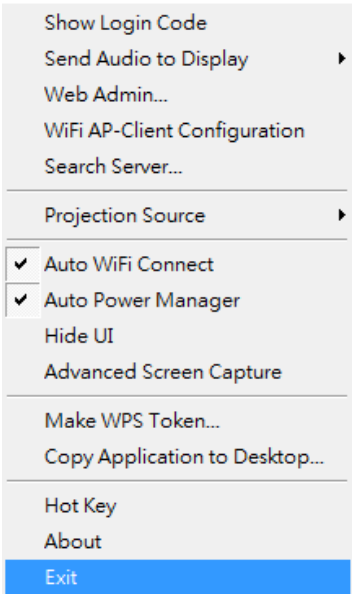
## 3.7.14 About

Click “**About**” to show system information. It includes product model name, Client version, IP address and other information.



### 3.7.15 Exit

Click “**Exit**” to exit this application. It will stop current playing status and close the application immediate.




# 4. Mac Client Utility

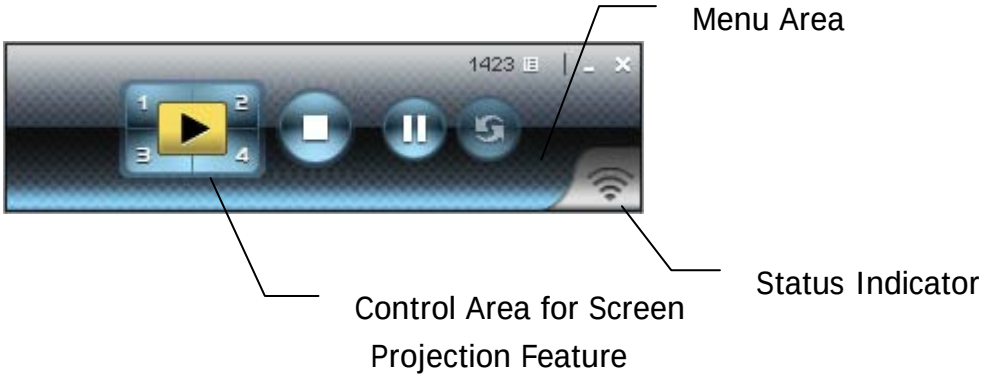
## 4.1 Launch Application

1) Enable your WiFi and connect to WPS device.
2) Execute WPS client software for Mac.

3) Launch WPS software and enter the login code.

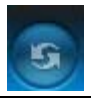
4) Start Projection.

## 4.2 Main User Interface




## 4.3 Screen Projection

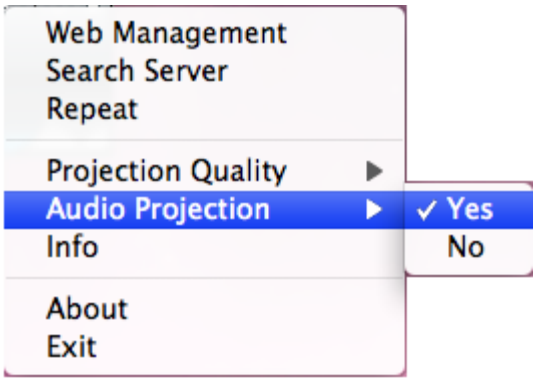
Click the “Play” button for full or split screen, you can project the main screen on to the display immediately, click the “Pause” button, you can freeze you projection screen, and click the “Stop” button to stop projecting your screen.

| Button | Description |
|---|---|
| | Full Screen projection |
| | Project to Split #1 |
| | Project to Split #2 |
| | Project to Split #3 |
| | Project to Split #4 |
| | Stop projecting |
| | Pause projecting |
|  | Refresh Screen |

## 4.4 MAC Audio Projection

First, before starting Audio Projection, please install the “Soundflower.mpkg” (MAC system extension for audio using) on your computer. Please find the software in USB Token.

Second, click menu to open function list and enable Audio Projection, then you can hear the audio from device when projecting.



# 5. Web Management

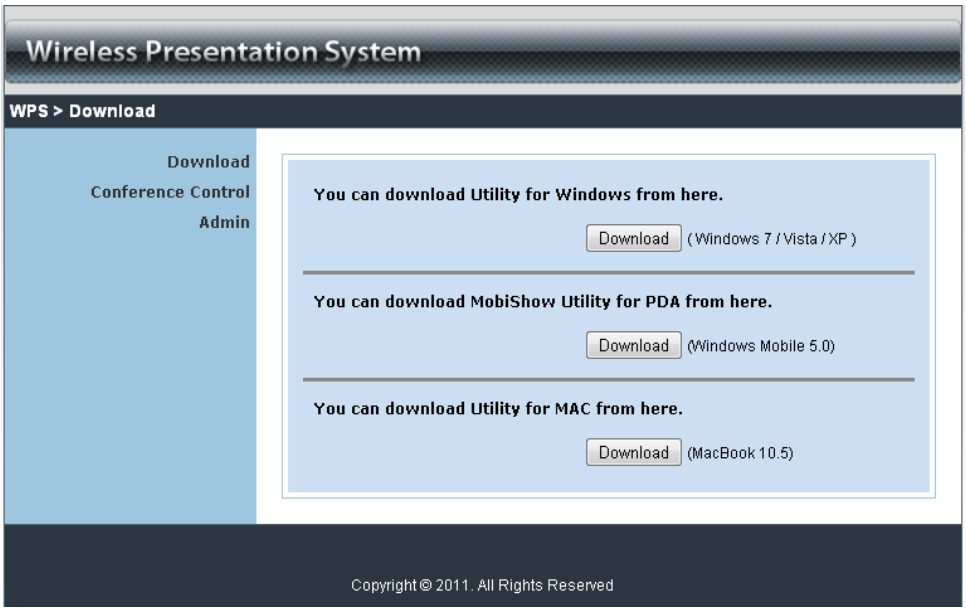
## 5.1 Home Page

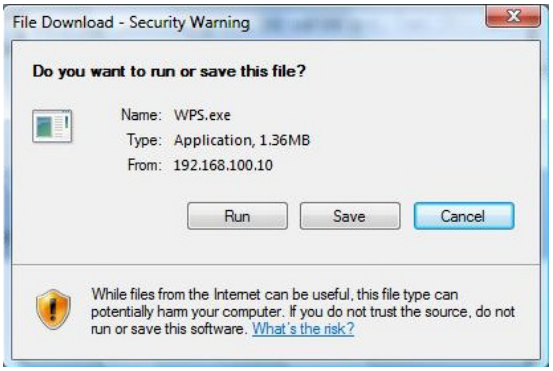
1. Make sure your PC connect to WPS box successfully.
2. Open your browser, it will enter WPS home page automatically.
3. If not, enter your IP address on the browser, you can see the IP on the projector screen.
4. The default IP is 192.168.100.10

## 5.2 Download Software

1. Select “Download software” function.
2. Please select the “Win 7 / Windows Vista / XP ” or “Windows Mobile 5/6” or “Mac Utility” and execute the installation program.
   - **For iOS / Android smartphone user, please download mobishow client from Appstore / Android Market.**
3. Follow Installation Wizard instructions to proceed till the installation process complete.

4. If pop up “**Windows Security Alert**” because Windows firewall block this program. You just press “**Unblock**” button to continue installation.
5. Once installation complete, a utility shortcut come out on the screen.

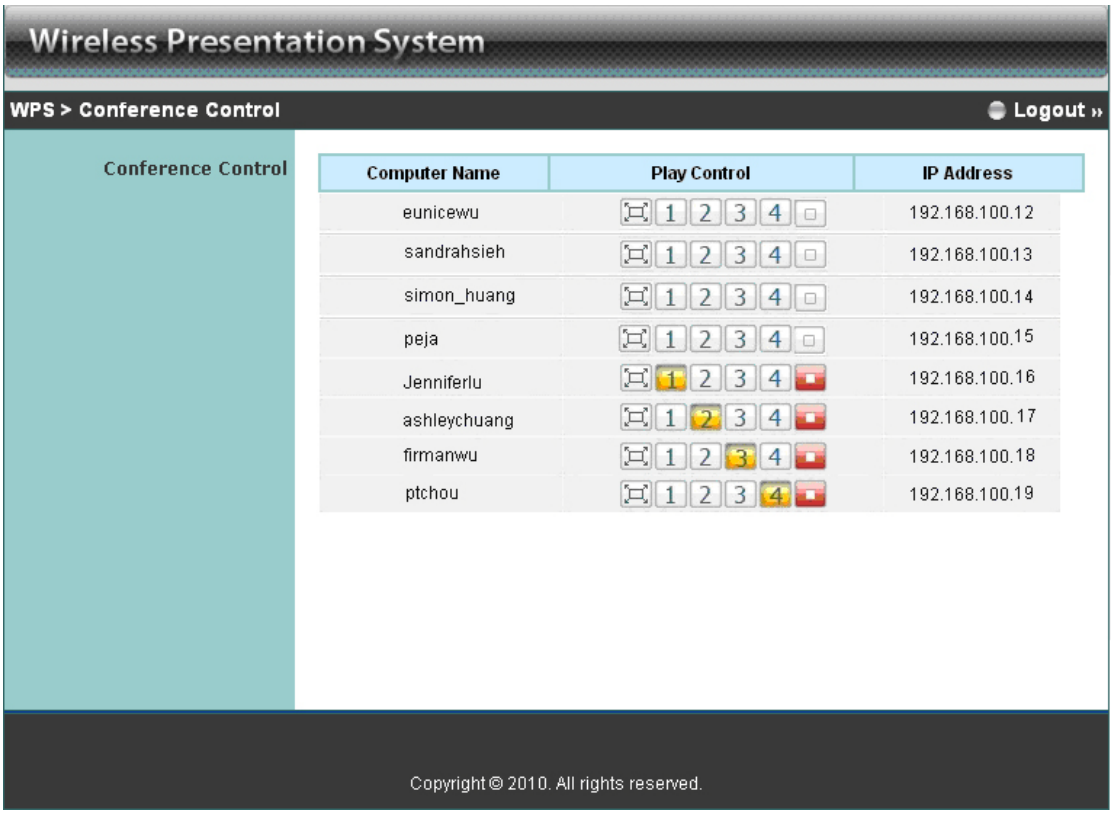




File Download - Security Warning
Do you want to run or save this file?
Name: WPS.exe
Type: Application, 1.36MB
From: 192.168.100.10
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

## 5.3 Conference Control

1) This function allows you to host a meeting smoothly without projector cable swapping and each participant can show their presentation easily.
2) Select “**Conference Control**” function.
3) Enter password, the default value is “trainer”, and then press [Login].

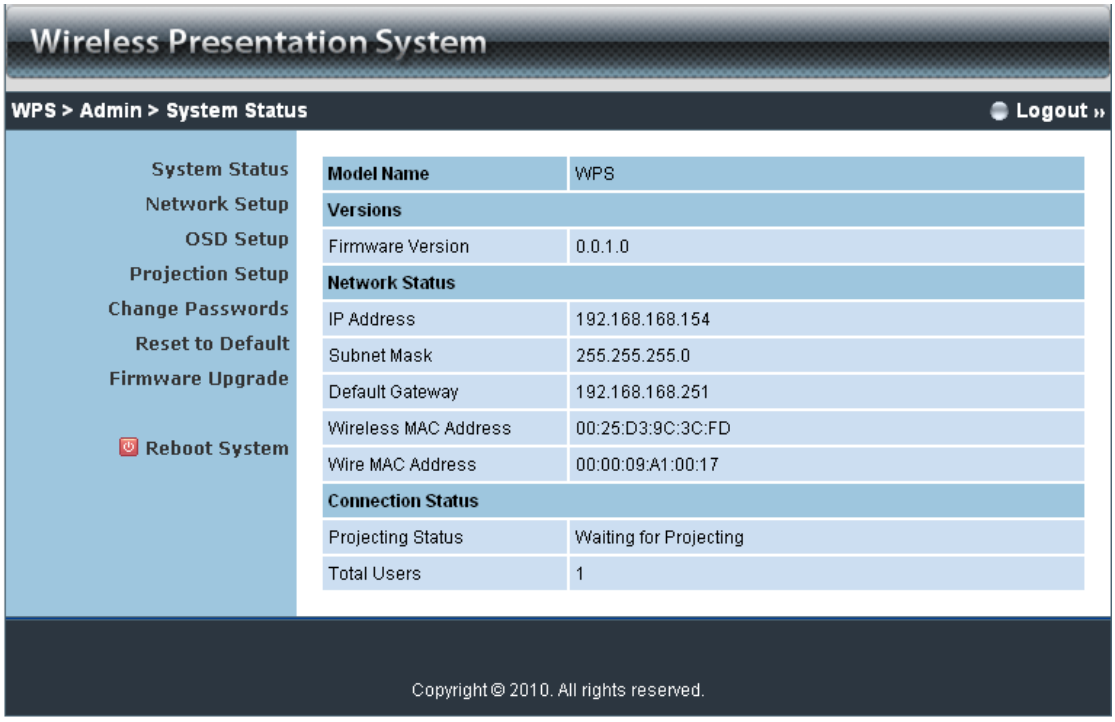
4) After login, you can see a User List on the screen which indicates all of users connected to WPS box.
5) There are three columns, "**Computer Name**", "**Play Control**" and "**IP Address**".
6) Play Control，There are six buttons, including Play(Full) , Play Split #1 , Play Split #2 ,Play Split #3 , Play Split #4 and Stop .
7) User List



## 5.4 Login Web Admin

1. Click [**Admin]** and then enter password to login web page.
2. The password default value is “admin”.

### 5.4.1 System Status




Click **[System Status],** shows current system status.

**Model Name**: Product model name

**Versions:**

1. **Firmware version no.**: Product firmware version number.

**Network Status:**

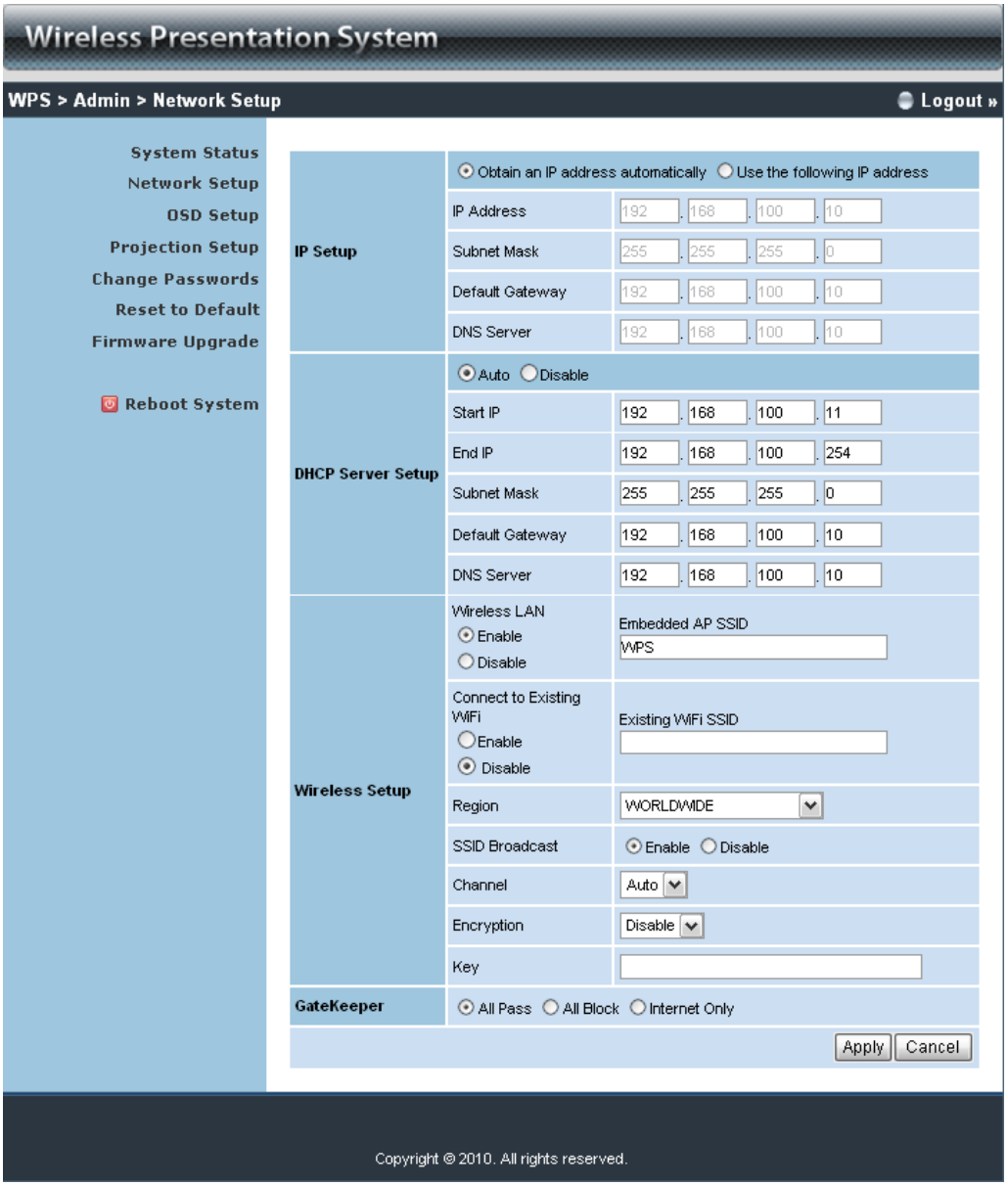
1. **IP address**：IP address of WPS device.
2. **Subnet Mask**：subnet mask
3. **Default Gateway**：default gateway
4. **Wireless MAC address**：wireless MAC address
5. **Wire MAC address**：wire MAC address

**Connection Status:**

1. **Projecting status:** which is “Waiting for projecting” or “Projecting”
2. **Total Users:** It shows how many users login into WPS box.

## 5.4.2 Network Setup

There are many kinds of operating configurations as below.



< Auto-Configuration Network Setup>

The default setting of the WPS box is DHCP client. When the WPS box is connected to a LAN that already has a DHCP server present, the WPS box takes an IP address assigned to it by the server. When the WPS box is connected to a LAN that does not have a DHCP server, the WPS box becomes the DHCP server in the network.

**< IP Setup>**

- You can select “obtain IP address automatically” or “Use the following IP address”
- IP Address: The default value is 192.168.100.10.
- Subnet Mask: The default value is 255.255.255.0
- Default Gateway: The default value is 192.168.100.10
- DNS Server: The default value is 192.168.100.10

**<DHCP Server Setup>**

- You can select “auto(Enable/Disable DHCP Server” or “Disable”)
- Start IP: The start IP address of DHCP Server.
- End IP: The end IP address of DHCP Server
- Subnet Mask: The default value is 255.255.255.0
- Default Gateway: The default value is 192.168.100.10
- DNS Server: The default value is 192.168.100.10

**< Wireless Setup>**

- Wireless LAN: The default value is “Enable”.
  Embedded AP SSID:SSID string ,max. Length is 32 bytes.
- **Connect to Existing AP**: This is “AP client” mode feature. By this feature you can let you WPS device to join others Access Point via wireless.
  First, enter the existing AP SSID and required security key in “**Existing AP SSID**” and “**Key**”, then reboot your system. After these steps, WPS will connect to this AP by wireless automatically.
  **Note**: The default value of AP client mode is “Disable”, also, LAN function will be disabled during AP client mode.
- Region: default value is “Worldwide”.
- SSID Broadcast: The default value is “Enable”
- Channel: to set fixed channel or Auto. The “Auto” means after power on WPS, it will scan all of wireless channel and select clear one channel automatically.
- Encryption: you can select “Disable” or one of WEP/WPA/WPA2 64bit or 128bit in ASCII or HEX string.
- Key: If Encryption is enabled, you have to set key value according to

the encryption mode you selected.

**< Gatekeeper>**

Gatekeeper is designed for ensuring the enterprise network security within WPS box

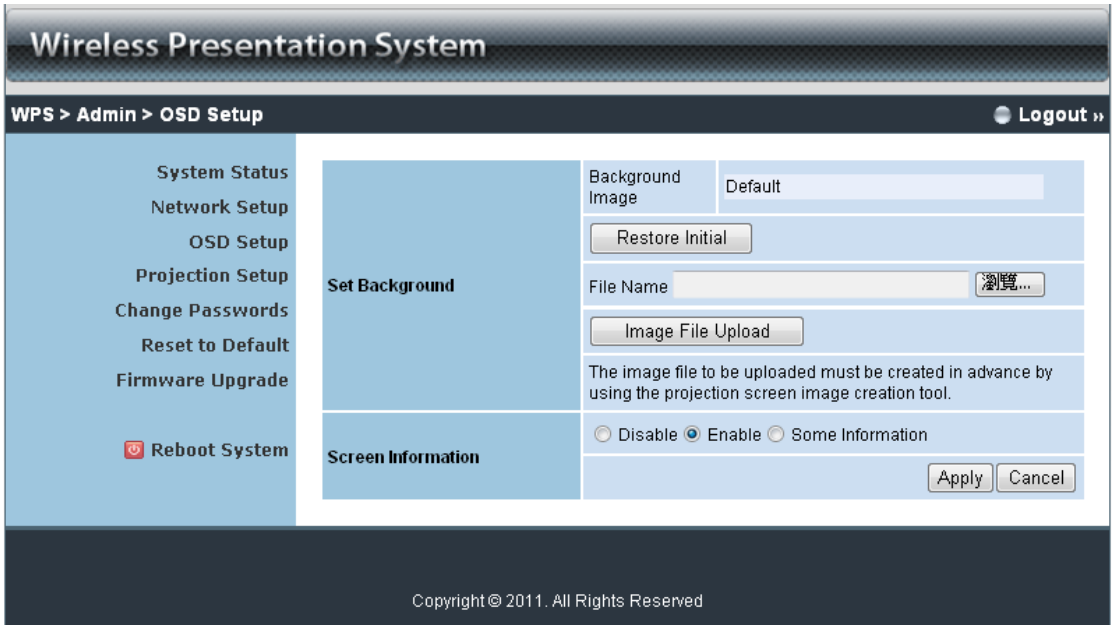
- All Block can block Guest Users(through wireless) to access all office network(LAN),
- All Allow can pass Guest Users(through wireless) to access all office network
- Internet Only can block Guest Users (through wireless) from office network (LAN) but still reserve internet connection capability.

**<Apply >:** press button to select this mode.

**<Cancel>:** press button to abort action.

**<Back>:** Back to Operating mode main menu.

## 5.4.3 OSD Setup




Click **[OSD Setup]** button, to change OSD standby image or set splash screen information.

**Set Background**

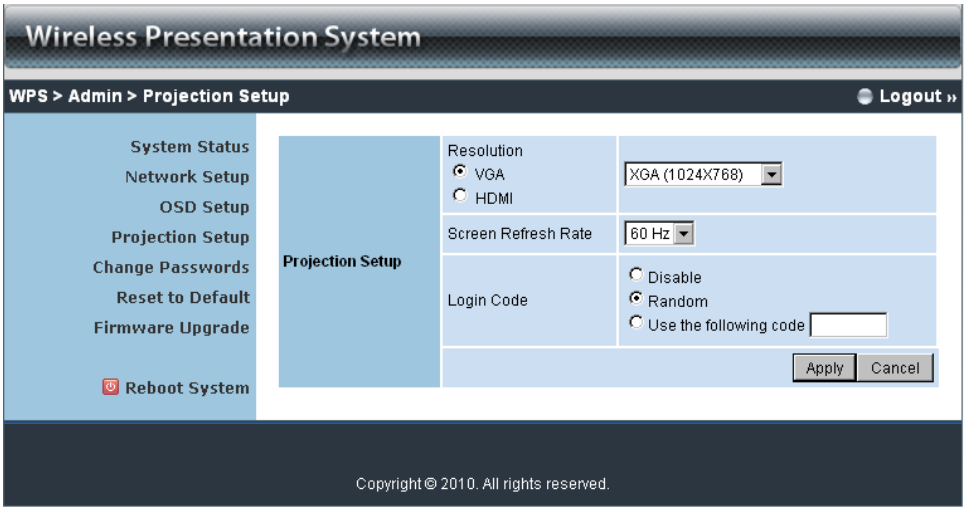
- **<Restore Initial>**: Restore to default OSD standby image.
- **<Image File Upload>**: Upload the customized OSD standby image. (You need to convert the image to system defined format using provided IB Maker utility which is stored in the USB token.)

**Screen Information**

- **<Disable>**: User can see quick guide on splash screen only, server IP, SSID, login code….won't be displayed.

- **<Enable>**: Default value, Show server IP, Resolution, Firmware version, SSID, channel and security on the screen.
- **<Some Information>**: Show server IP and SSID on the screen only.

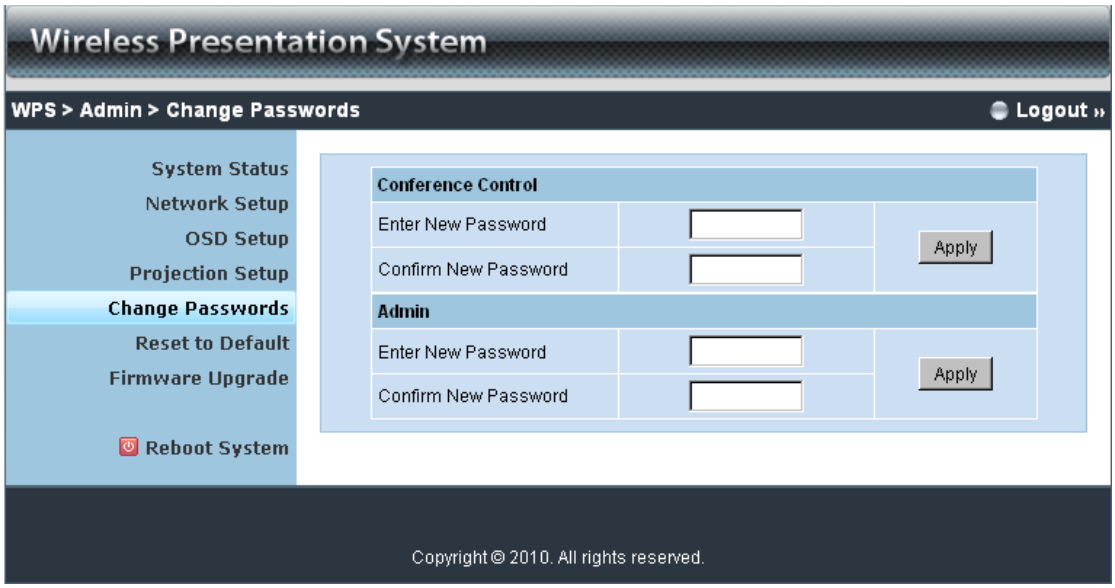
## 5.4.4 Projection Setup




Click **[Projection Setup]** button

- **<Resolution>**:
  VGA: XGA(1024*768), WXGA(1280x800) ,WXGA (1280*768) and SVGA(800*600). The default value is XGA.
  HDMI: 720p(1280*720)
- **<Screen Refresh Rate>**: This is VGA output refresh rate, provides 60 Hz and 75Hz to suit for different kinds of projectors.
- **<Login Code>**: You can select “Disable”, “Random”, or “Use the following code” to set a specified 4-characters Number.
- **<Apply>** : Confirmation and Save modifications
- **<Cancel>:** Cancel all the modifications

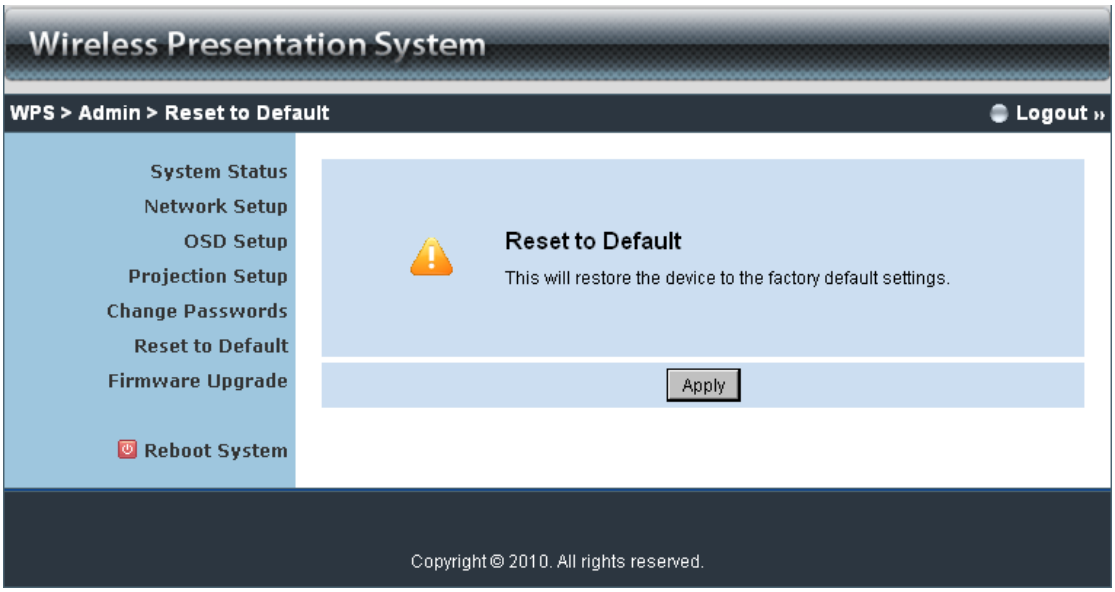
## 5.4.5 Change Passwords




Click **[Change Password]** button, to change password value.
The length of password is up to 8 characters.

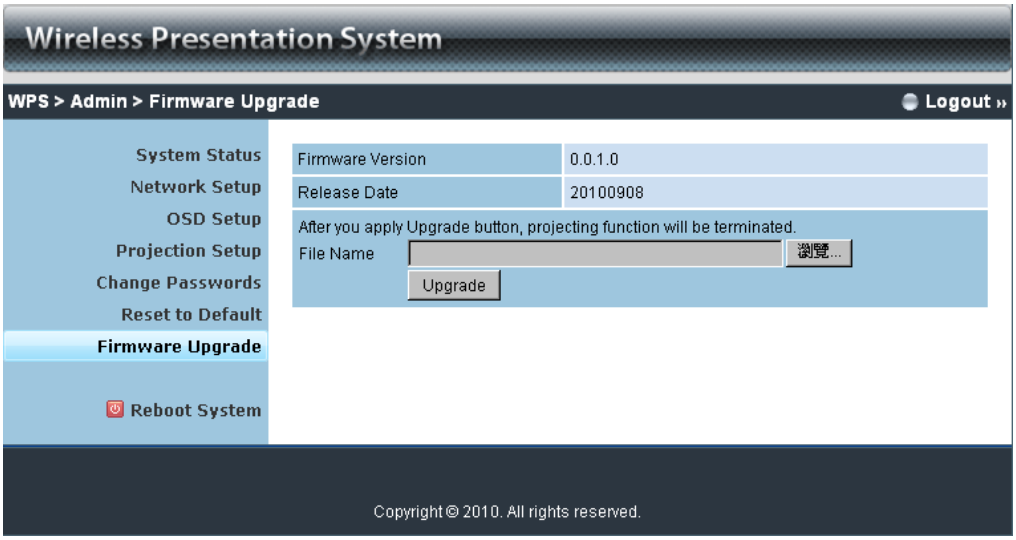
- **<Enter New Password>:** enter new password you want to change for each category.
- **<Confirm New Password>**: double confirm new password.
- **<Apply>:** Confirmation and Save modifications.

## 5.4.6 Reset to Default



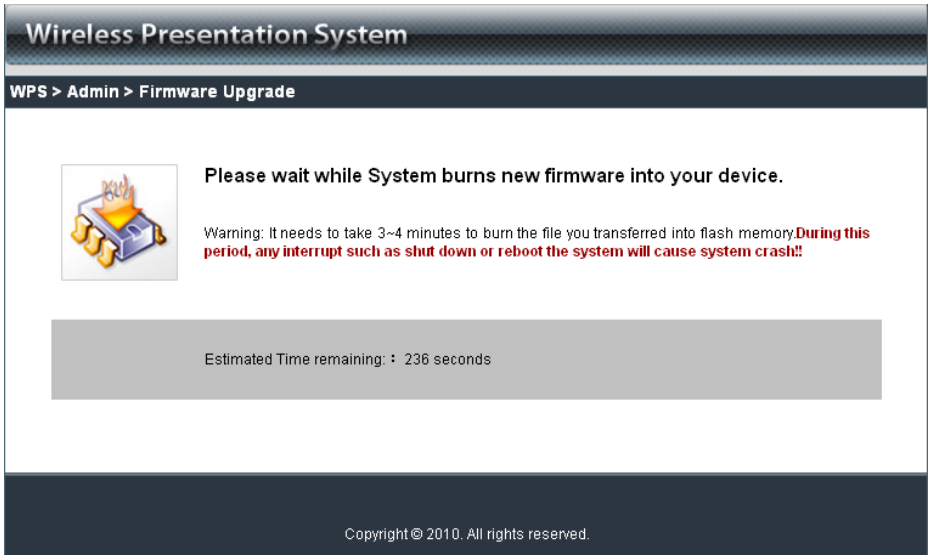
Click **[Reset to Default]** button to restore factory default settings.
**<Apply>:** Confirmation and action.

## 5.4.7 Firmware Upgrade




Click **[Firmware Upgrade]** button to upgrade firmware.

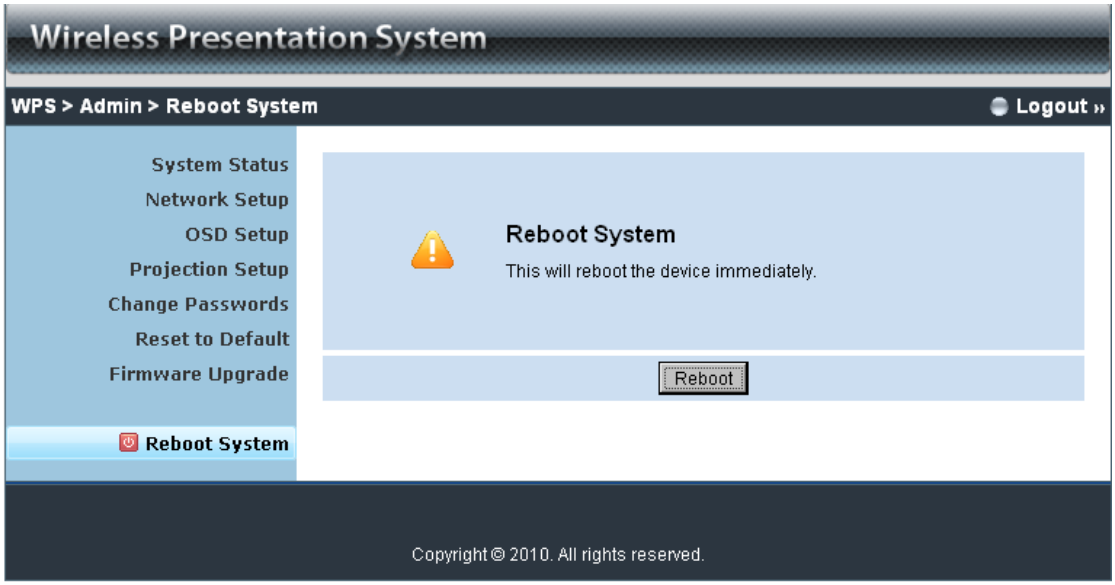
1. Firstly, you have to get latest firmware image file from your vendor.
2. Click **<Browse>** to specify file name you want to upgrade.
3. Click **<Upgrade>** to start.
4. A warning message shown and count down counter on the screen.
5. After a few minutes, a complete message shown on the screen.
6. Restart WPS box to take effect.


Wireless Presentation System
WPS > Admin > Firmware Upgrade
Please wait while System burns new firmware into your device.
Warning: It needs to take 3~4 minutes to burn the file you transferred into flash memory.During this period, any interrupt such as shut down or reboot the system will cause system crash!!
Estimated Time remaining: : 236 seconds
Copyright © 2010. All rights reserved.

Microsoft Internet Explorer
The process of firmware upgrade is complete successfully. Please turn off power switch to restart.
OK

**Warning:** Don't power off WPS while firmware upgrade in progress, otherwise will cause your Box doesn't work and have to return device to your vendor for fixing.

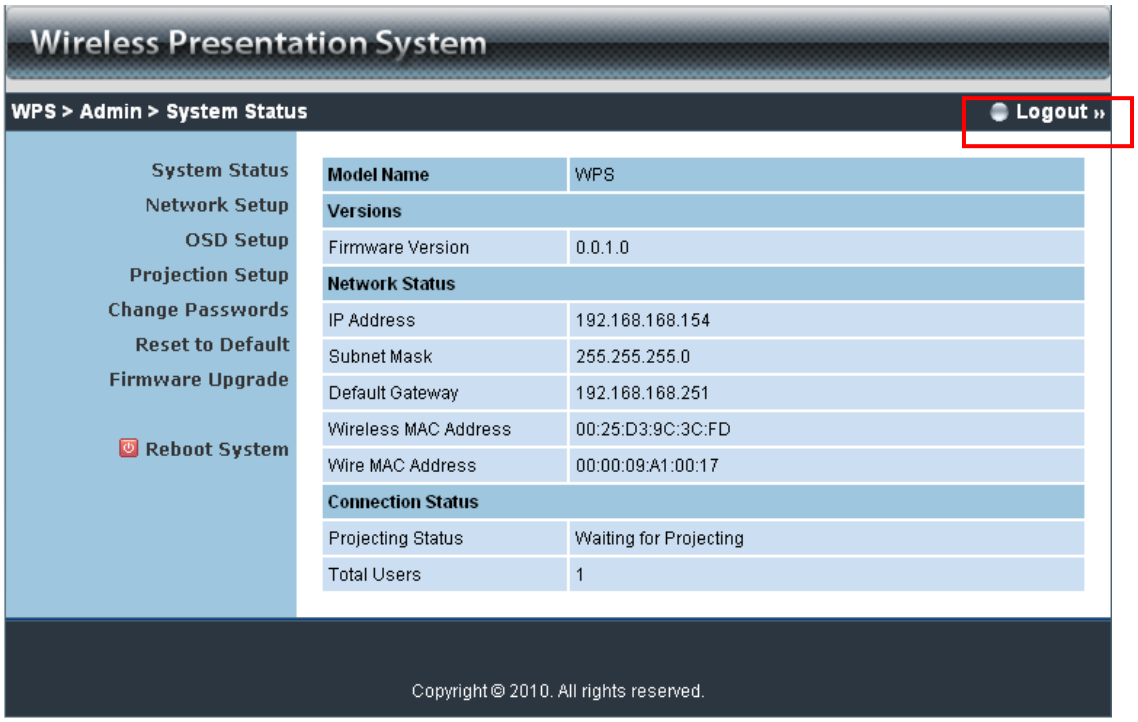
## 5.4.8 Reboot System




Click **[Reboot System]** button, to restart system

- **<Reboot>**: reboot system automatically.

## 5.4.9 Logout


Wireless Presentation System
WPS > Admin > System Status
Logout »
System Status
Network Setup
OSD Setup
Projection Setup
Change Passwords
Reset to Default
Firmware Upgrade
Reboot System
Model Name
WPS
Versions
Firmware Version
0.0.1.0
Network Status
IP Address
192.168.168.154
Subnet Mask
255.255.255.0
Default Gateway
192.168.168.251
Wireless MAC Address
00:25:D3:9C:3C:FD
Wire MAC Address
00:00:09:A1:00:17
Connection Status
Projecting Status
Waiting for Projecting
Total Users
1
Copyright © 2010. All rights reserved.

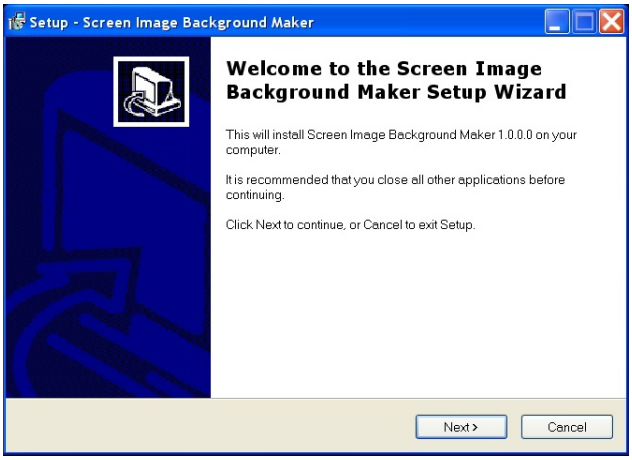
# 6. Appendix

# Screen Image Background Maker

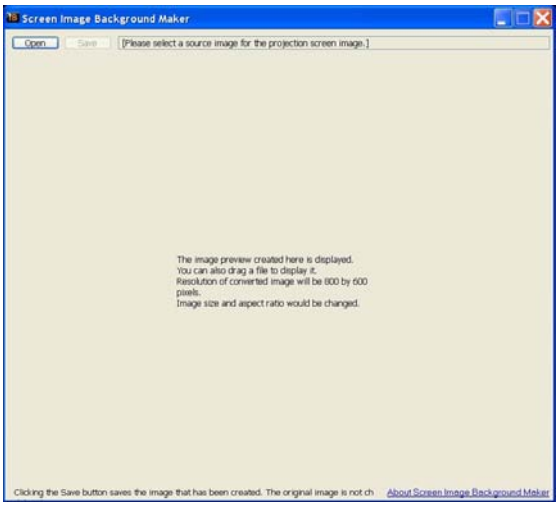
# Quick Installation Guide

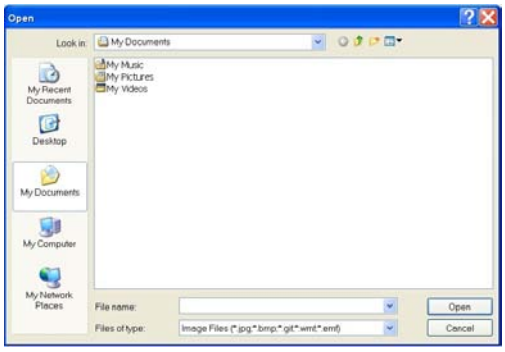
Version: 1.00

1) Run the “Screen Image Background Maker” and follows the wizard to convert the image file.

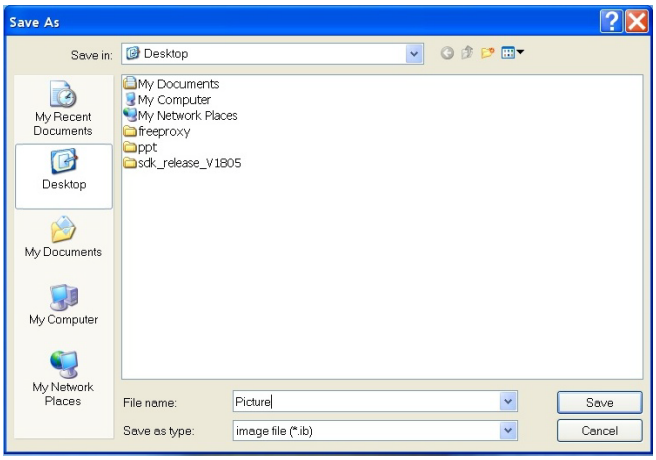

Setup - Screen Image Background Maker
Welcome to the Screen Image Background Maker Setup Wizard
This will install Screen Image Background Maker 1.0.0.0 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

2) Press “Open” to select a file to convert this image for background use.

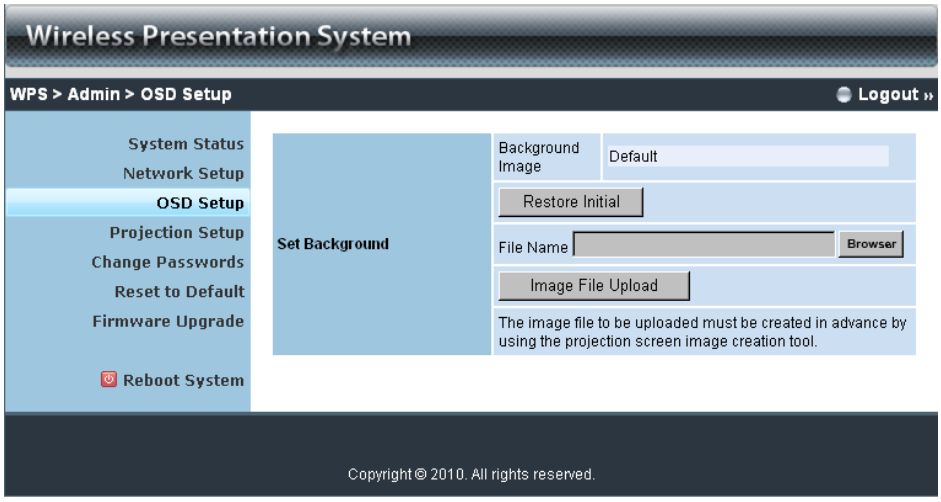

Screen Image Background Maker
Open
Save
[Please select a source image for the projection screen image.]
The image preview created here is displayed.
You can also drag a file to display it.
Resolution of converted image will be 800 by 600 pixels.
Image size and aspect ratio would be changed.
Clicking the Save button saves the image that has been created. The original image is not ch
About Screen Image Background Maker



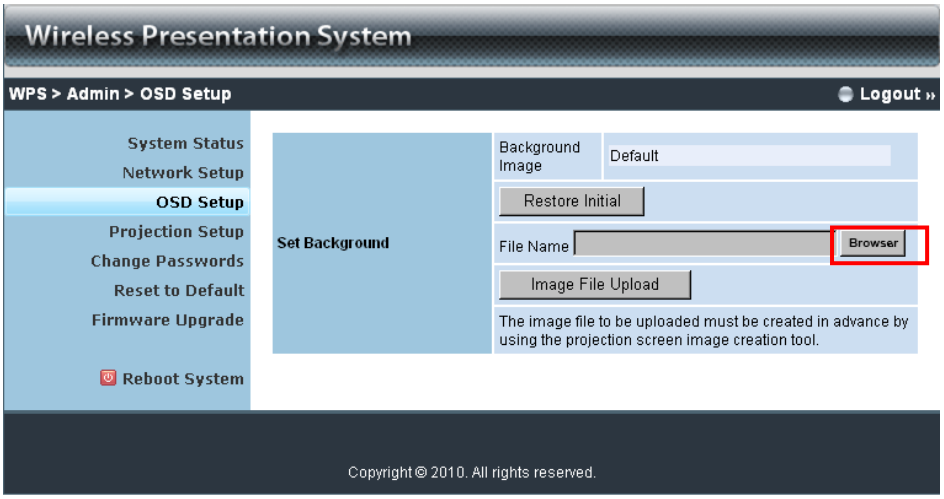

3) Press “Saver” to save this file.(*.ib)

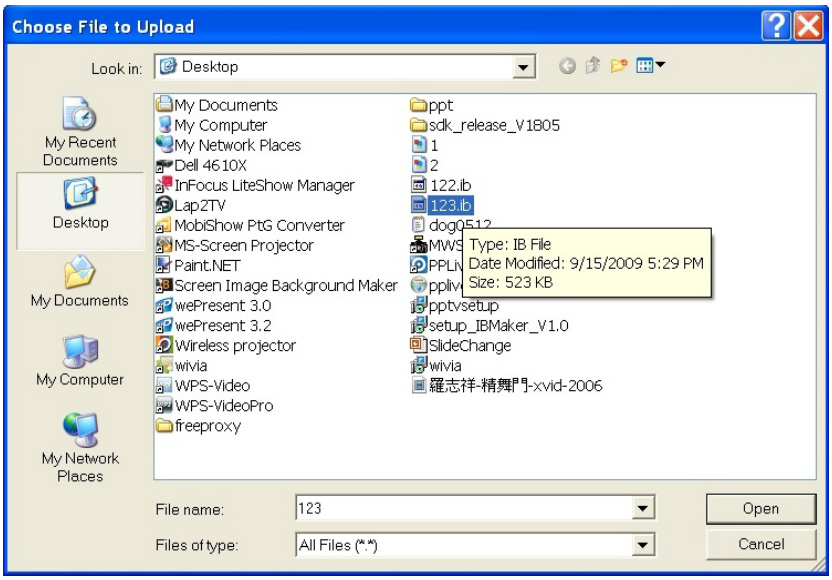


4) Please connect to WPS webpage, and then connect to OSD setup page.



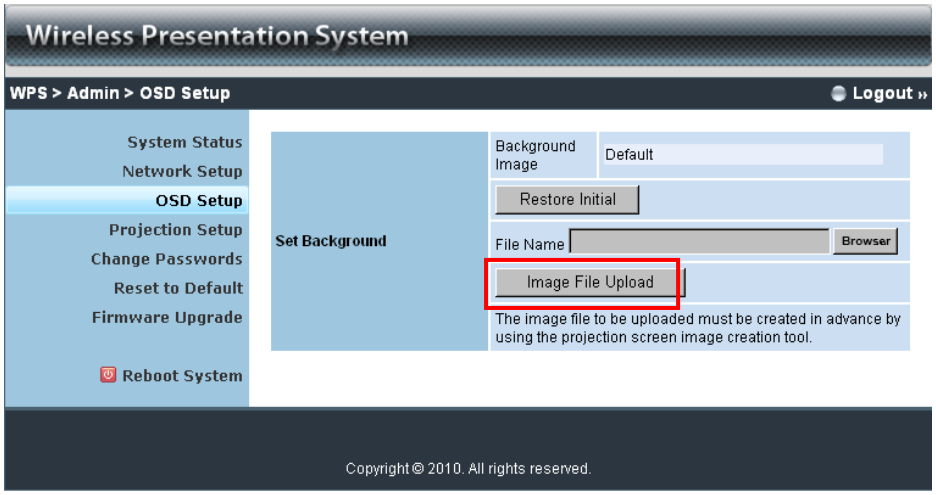

5) Press “Browser” to choose the *.ib file.




6) Press “image file upload” to upload your background image.

Then it will show the message as below.




**Note:** You may find “Screen Image Background Maker” in the USB Token.

# PtG Converter

## Quick Installation Guide

Version: 1.00

# Using PtG Converter

Open **“MobiShow PtG Converter”** in **“MobiShow\MobiShow PtG Converter”** folder from **“Programs”** in the Start menu. The following control panel is displayed on your Desktop when it is launched.

Click the “ **Convert”** button to select a PowerPoint PPT file and start conversion. PtG Converter will open the PowerPoint file and convert it to PtG format. You can see the conversion process on your Desktop.

Click the “ **Preview”** button to expand or collapse the preview pane.

Click “ **Play”** to playback selected PtG file, or click “ **Open”** to select a PtG file.